INSTRUCTIONS

T330-IMS

IMAGE SELECTOR

JEOL

No. ISMT330IMS-1E

JEOL LTD./JEOL TECHNICS LTD.

Tokyo Japan

8708002KP

1 GENERAL

The IMS, used in conjunction with the JSM-T series Scanning Microscope, enables various types of specimen image to be selected to display on the CRT by pressing a pushbutton.

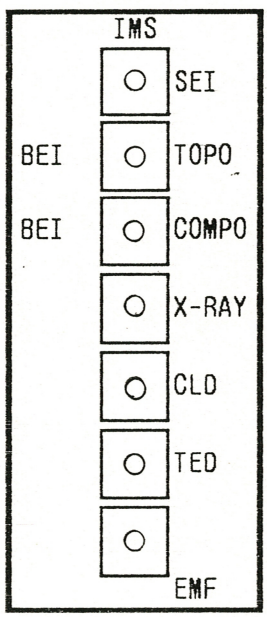
2 SPECIFICATIONS

- Selection switches: 7 pushbuttons with indicator, 1 unit
- Kind of signals:
  - SEI: secondary electron image
  - BEI TOPO: backscattered electron TOPOGRAPHIC image
  - BEI COMPO: backscatterd electron COMPOSITE image
  - X-RAY: X-ray image
  - CLD: (infrared) cathodoluminescence image
  - TED: transmitted electron image
  - EMF: electromotive force image
- Observation mode: SPEED EXP /SLOW1 /SLOW2
- Supply power: ±12V, 100mA for detectors

3 COMPOSITIONS

- Switch unit 1
- Signal relay 1
- Power unit 1

4 PANEL DESCRIPTION



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5 OPERATION

1) Press [SPEED] [EXP] / [SLOW1] or [SLOW2] switch.

Note: When TV mode is used, secondary electron image is displayed on the CRT.

2) Select a desired signal.(LED is ON.)

SEI: Adjust image contrast by [CONTRAST] knob on the control panel.

BEI TOPO: Adjust image contrast by [CONTRAST] knob on the BEI unit.

BEI COMPO: Adjust image contrast by [CONTRAST] knob on the BEI unit.

X-RAY: Set the [MAIN] on the BCX to ON.

CLD: Adjust image contrast by [CONTRAST] knob on the PSD unit.

TED: Adjust image contrast by [CONTRAST] knob on the PSD unit.

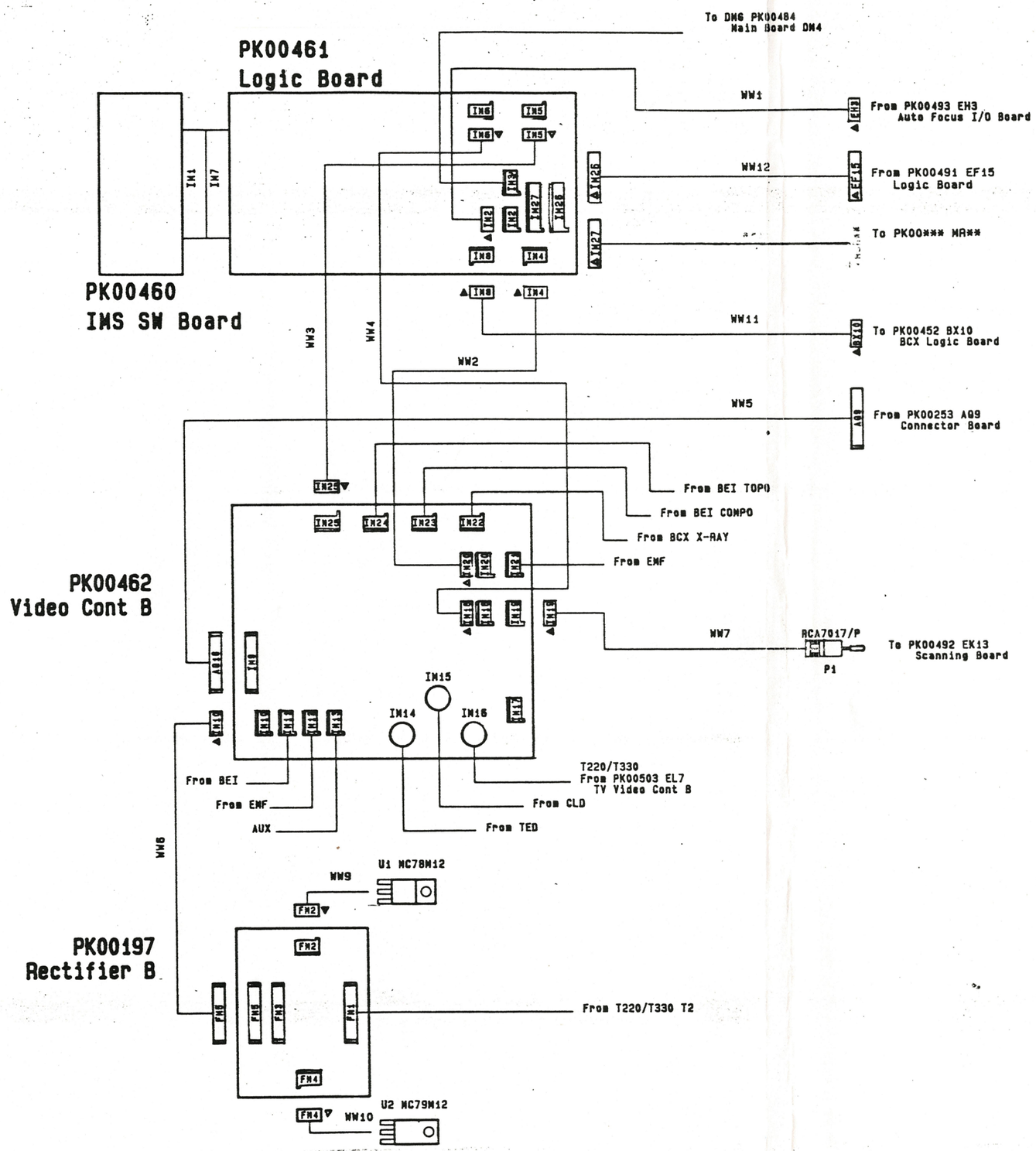
EMF: Adjust image contrast by [GAIN] knob on the EMF unit.

Note: Refer operation etc. for each attachment to the each instruction manuals.

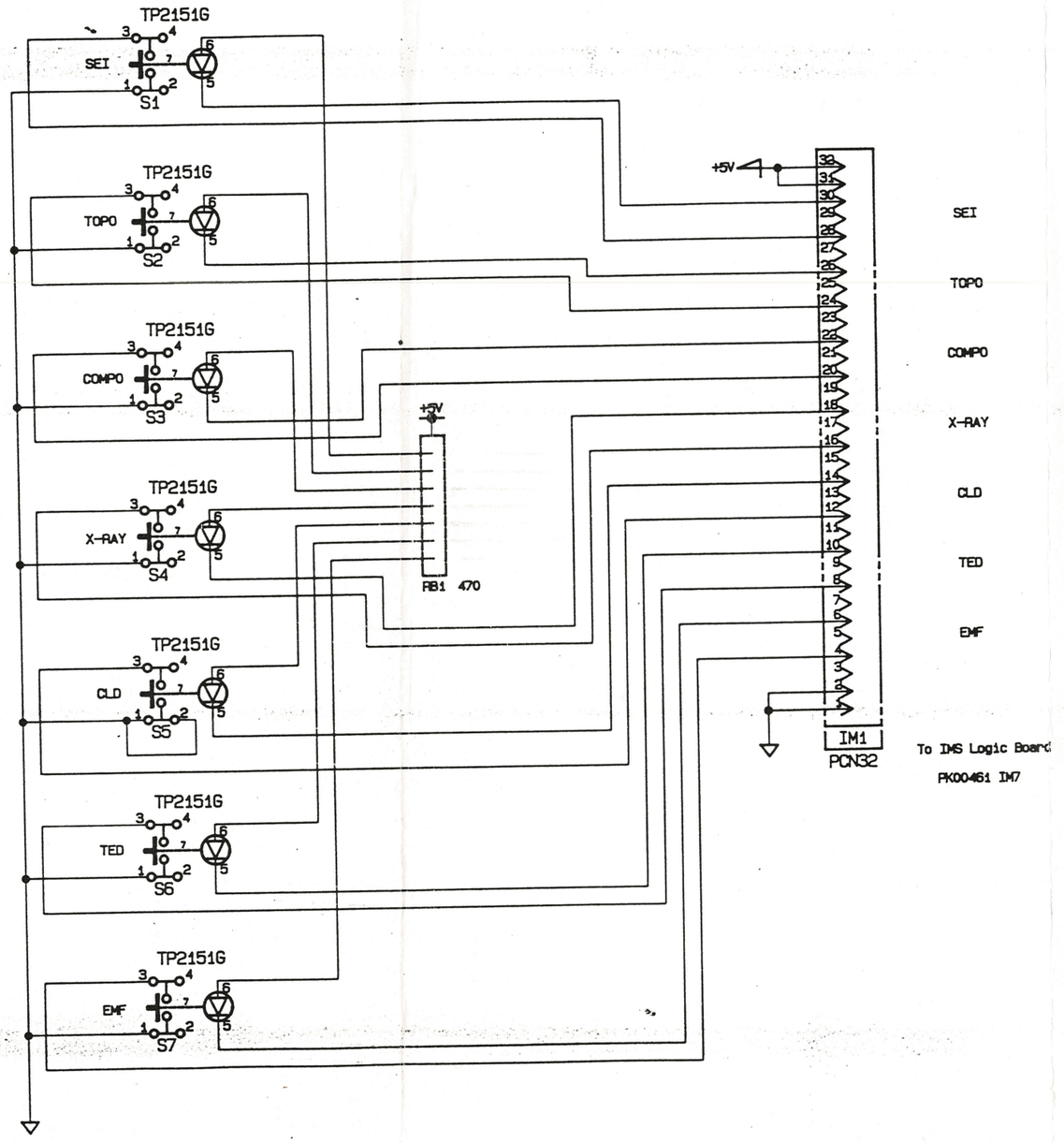
6 SIMULTANEOUS USE OF OTHER ATTACHMENTS

- IMS can be installed simultaneously other than MID.
- Following attachment is required toobservation.

BEI TOPO・COMPO:	T330-BEIS2(T330),T220-BEIS2(T220)
X-RAY:	FCS(T330)/EDS and BCX
CLD:	CLD/CLDIR (CLDIR for infrared cathodoluminescence)
TED:	LG3TED
EMF:	LGSHIC and EMF



NOTES	DWG.NAME	TITLE
1.TS678000- 2.TS678004- 86/11/12 3 4 5	S.SUZAKI	IMS
	DWG.DATE: 86/06/03	MARK: IM
	DWG.NO: PK00459	PAGE: 1/1



DRAWING S.SUZAKI	TITLE SW Board		
DATE 86/06/06	MARK IMS	DWG.NO. PK00460	1/1

From IMS SW Board
PK00460 IM1

SEI
TOPO
COMPO
X-RAY
CLD
TED
EMF

IM7
PCN32S

To BCX PK00452
BCX10

IM8
DF5

CAM
WX-RAY
NC
NC
P1 COMP
WLSP, WSPOT
EXT ON
NC
WEXP
GND
To WCR
WCR##

IM27
DF10

CAM
SIGNAL
MOD-H BLK
SIGNAL
P1 COMP
WLSP, WSPOT
EXT ON
MOD BLK
WEXP
GND

IM26
DF10

From T220, T330 Logic Board
PK00491 EF15

U4 HD04

RB2 10K
RB1 10K
RB4 10K
RB5 10K
RB3 10K

U5 HC148

9135 U6
9135 U7

U6 HD04
U3 7417
U4 HD04
U1 7417
U2 HD00

IM4
DF5

To IMS Video Control Board
PK00462 IM20

R1 100 ohm/J
C8 22/25

IM2
DF5

IM3
DF5

From T220 T330
Auto Focus I/O Board
PK00493
EH3

SEL
CLD
TED

IM6
DF5

To IMS Video Control Board
PK00462 IM18

G1

IM5
DF5

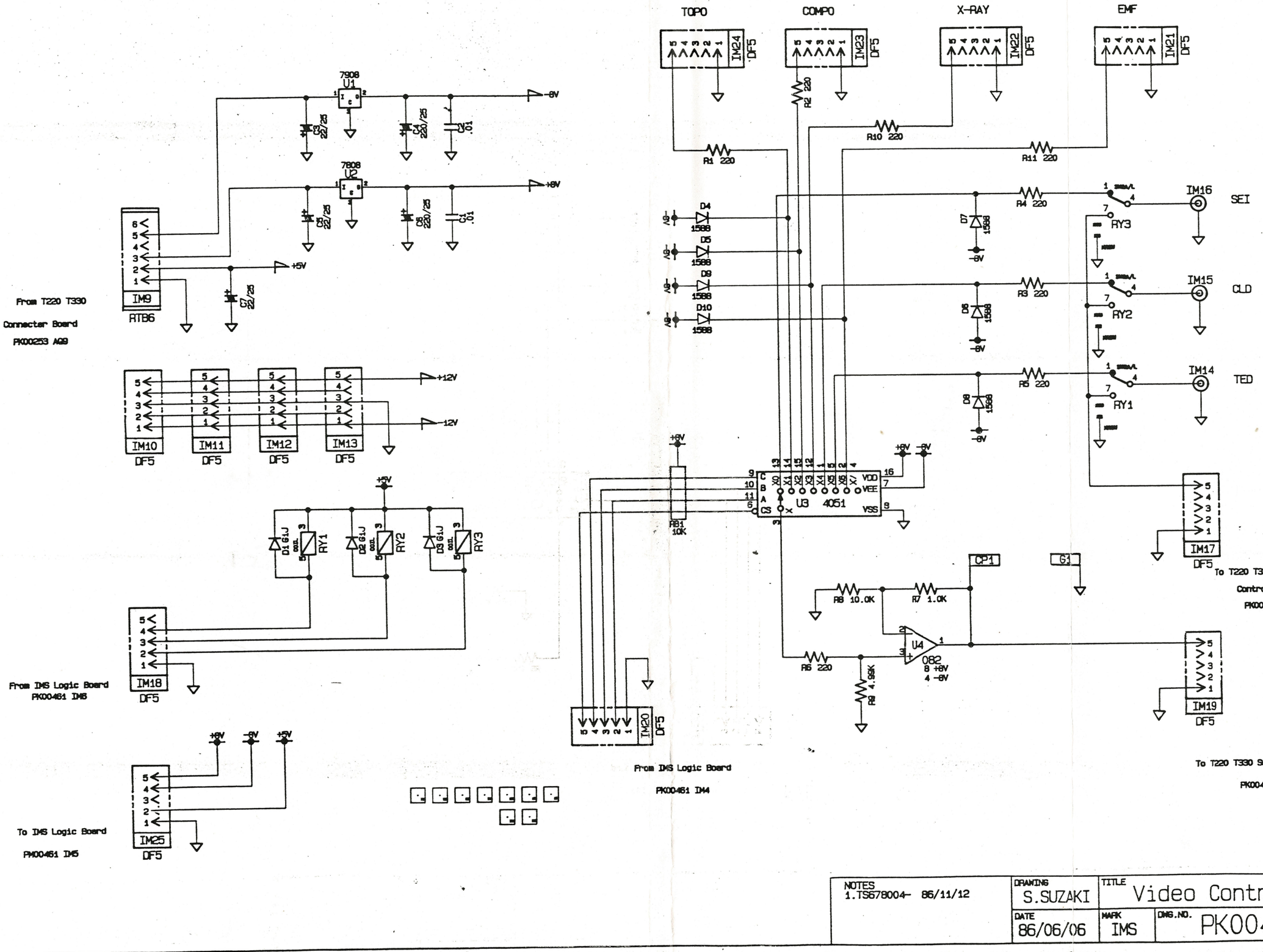
+8V
-8V
+5V

C8 220/25
C01

From IMS
Video Control Board
PK00462 IM25

NOTES
1.TS678004- 86/11/12

DRAWING S.SUZAKI	TITLE Logic Board		
DATE 86/06/06	MARK IMS	DWG.NO. PK00461	1/1



NOTES 1.TS678004- 86/11/12	DRAWING S.SUZAKI	TITLE Video Control Board	
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